What is claimed is:

1. A light-transmitting module, comprising:

a light-emitting module including a Peltier device and a laser diode mounted on said Peltier device, said Peltier device controlling a temperature of said laser diode;

a substrate for installing a plurality of electronic elements;

a heater disposed so as to heat up said light-emitting module and said substrate;

a housing for receiving said light-emitting module, said substrate and said heater therein.

2. The light-transmitting module according to claim 1, wherein said light-emitting module further includes

a package having a CAN-type with a stem mounting said Peltier device with said laser diode thereon;

a plurality of lead pins extending from said stem and connected to said substrate; and

a thermistor disposed immediately by said laser diode on said Peltier device, said thermistor monitoring said temperature of said laser diode.

3. The light-transmitting module according to claim 2, wherein said heater is disposed in a side surface of said stem.

4. The light-transmitting module according to claim 2, wherein said heater is disposed on said substrate so as to come in contact with a side surface of said stem.

5. The light-transmitting module according to claim 2, wherein said heater is

disposed adjacent to said plurality of lead pins.

6. The light-transmitting module according to claim 1, wherein said light-emitting module further includes

a package having a box-shape with a pair of side walls and a rear wall;

a plurality of lead pins extending from respective side walls; and

a thermistor disposed immediately by said laser diode on said Peltier device, said thermistor monitoring said temperature of said laser diode.

7. The light-transmitting module according to claim 6, wherein said heater is disposed on said substrate so as to come in contact with said side wall.

8. The light-transmitting module according to claim 6, wherein said heater is disposed on said substrate so as to come in contact with said rear wall.

9. The light-transmitting module according to claim 6, wherein said heater is provided in an outer surface of said housing located under said box-shaped package.

10. The light-transmitting module according to claim 1, wherein said heater is a thin film heater.

11. The light-transmitting module according to claim 1, wherein said plurality of electronic elements includes a laser diode controller, a Peltier controller, and a heater controller.

12. The light-transmitting module according to claim 11, wherein

said laser diode controller controls said laser diode such that an optical output of said laser diode is maintained to be a predetermined value.

13. The light-transmitting module according to claim 12, wherein said heater controller compares an ambient temperature to a preset temperature of said laser diode and, when said preset temperature is higher than said ambient temperature, enables said heater.

14. The light-transmitting module according to claim 12, wherein said Peltier controller controls said Peltier device so as to set said laser diode to be a preset temperature.